

RECEIVED
NOV 04 2002
TECH CENTER 1600/2900

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, DC 20231, ON THE DATE INDICATED BELOW.

BY: Monica L. Feneel DATE: October 23, 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

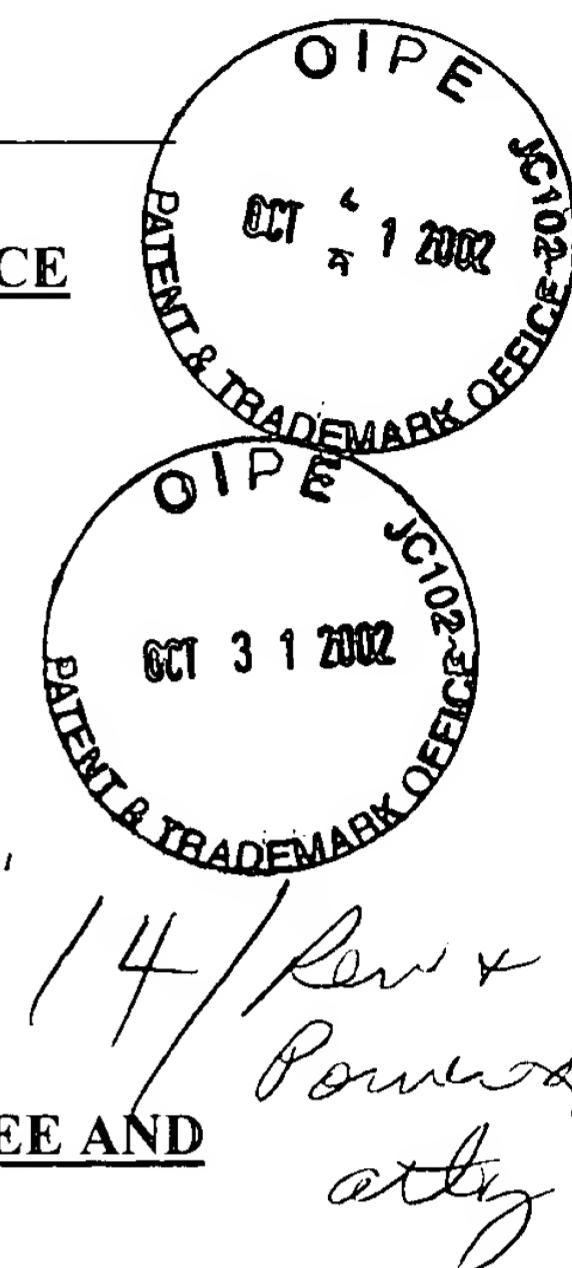
In Re Patent Application of Peter Watts

Conf. No.: 5106 : Group Art Unit: 1615
Appln. No.: 09/749,152 : Examiner: Susan T. Tran
Filed: December 27, 2000 :
Title: COLONIC DRUG DELIVERY : Attorney Docket
COMPOSITION : No.: 10774-21U1

**REVOCATION AND APPOINTMENT OF ATTORNEY BY ASSIGNEE AND
STATEMENT UNDER 37 C.F.R. §3.73(b)**

The undersigned states that she is authorized to sign the document on behalf of the assignee of the above application, that the evidentiary documents relating to the assignment of the above application have been reviewed, and she certifies that, to the best of assignee's knowledge and belief, title to the above application is in assignee by virtue of assignments in parent application number 08/765,347, now U.S. Patent No. 6,228,396 from the inventor to Danbiosyst UK Limited, recorded in the U.S. Patent and Trademark Office on January 6, 1997 at Reel 8439, Frame 0240 and from Danbiosyst UK Limited to West Pharmaceutical Services Drug Delivery & Clinical Research Centre Limited, recorded in the U.S. Patent and Trademark Office on February 1, 2000 at Reel 010567, Frames 0980. Copies of the assignments in the chain of title are attached.

West Pharmaceutical Services Drug Delivery & Clinical Research Centre Limited, assignee of the entire right, title and interest of the above application, by its undersigned representative, hereby revokes all previous Powers of Attorney and appoints the registered



attorneys and agents associated with Customer No. 000570, Akin, Gump, Strauss, Hauer & Feld, L.L.P., as its attorneys or agents with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Please address all correspondence to **Customer No. 000570, namely, AKIN, GUMP, STRAUSS, HAUER & FELD, L.L.P.**, One Commerce Square, 2005 Market Street, Suite 2200, Philadelphia, Pennsylvania 19103. Please direct all communications and telephone calls to **William W. Schwarze** at 215-965-1270 (telephone) or 215-965-1210 (facsimile).

Respectfully submitted,

West Pharmaceutical Services Drug Delivery & Clinical Research Centre Limited

16 Oct 02

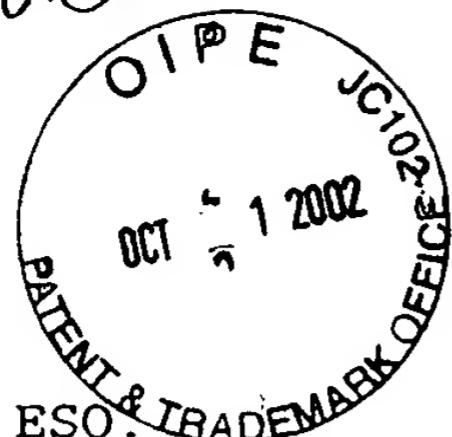
Date

By: JGraver

Jane Graver
Company Secretary and Director of Administration

5/1974

DAN100



MAY 23, 1997

PATREA L. PABST, ESQ.
1201 W. PEACHTREE ST.
2800 ONE ATLANTIC CTR.
ATLANTA, GA 30309-3450

PTAS

RECEIVED
NOV 4 2002
TECH CENTER 1600/2900
UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231



100393514A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/10/1997

REEL/FRAME: 8439/0240
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

WATTS, PETER

DOC DATE: 01/06/1997

ASSIGNOR:

DANBIOSYST UK LIMITED
ALBERT EINSTEIN CENTRE, HIGHFIELDS SCIENCE PARK
NOTTINGHAM, UNITED KINGDOM NG7 2TN

SERIAL NUMBER: 08765347

FILING DATE: 02/10/1997
ISSUE DATE:

PATENT NUMBER:

MAURICE CARTER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

JUN 02 1997

MP-20-1505

2-10-97

Tab settings 000 □

02-22-97 5610 RECORDATION FORM COVER SHEET

PATENT

To the Honorable Commissioner of Patents and Trademark

Name of conveying party(ies): 2-10-97

Peter Watts

Additional name(s) of conveying party(ies) attached? Yes No

Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: January 6, 1997

Application number(s) or patent number(s): 08 765,347

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

08/765,347

B. Patent No.(s)

Additional numbers attached? Yes No

i. Name and address of party to whom correspondence concerning document should be mailed:

Name: Patrea L. Pabst, Esq.

Internal Address: 2800 One Atlantic Ctr.

Street Address: 1201 W. Peachtree St.

City: Atlanta State: GA ZIP: 30309-3450

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

 Enclosed Authorized to be charged to deposit account

8. Deposit account number:

01-2507

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Patrea L. Pabst

Name of Person Signing

P.L.P
Signature4/7/97
Date

Total number of pages comprising cover sheet: _____

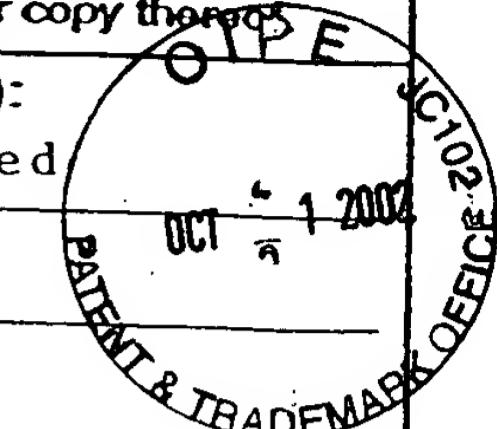
640-A-581 A1Q

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

100393514

ments or copy thereof

party(ies):



Name: Danbiosyst UK Limited

Internal Address: _____

Street Address: Albert Einstein Centre

Highfields Science Park

City: Nottingham State: UK ZIP: NG7 2TN

Additional name(s) & address(es) attached? Yes No

RECEIVED
NOV 04 2002
TECH CENTER 1600/2000

ASSIGNMENT

I, Peter Watts of Flat 2, 47 Highfield Road, West Bridgford, Nottingham NG2 6DR in consideration of One Dollar and other valuable consideration paid to us by Danbiosyst UK Limited a corporation of the England, having its principal place of business Albert Einstein Centre, Highfields Science Park, Nottingham, NG7 2TN, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Danbiosyst UK Limited its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in Controlled release drug delivery described in an application executed by one of even date herewith and about to be filed Serial No. 08/765,347, filed on December 19, 1996 in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And I agree, for myself and my executors and administrators, with said corporation and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said corporation, with specifications and claims in such form as shall be approved by the counsel of said corporation and to vest and confirm in said corporation, its successors and assigns, the legal title to all such patents.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said corporation, its successors and assigns.

WITNESS my hand and seal this 6th day of January 1997

P. T. Watts (Peter Watts)



APRIL 27, 2000

PTAS

ARNALL GOLDEN & GREGORY, LLP
PATREA L. PABST, ESQ.
2800 ONE ATLANTIC CENTER
1201 WEST PEACHTREE STREET
ATLANTA, GA 30309-3450



*101284135A

RECEIVED
NOV 04 2002
TECH CENTER 1600/2900

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/01/2000

REEL/FRAME: 010567/0980
NUMBER OF PAGES: 5

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
DANBIOSYST UK LIMITED

DOC DATE: 03/04/1999

ASSIGNEE:
WEST PHARMACEUTICAL SERVICES DRUG
DELIVERY & CLINICAL RESEARCH
CENTRE LIMITED
ALBERT EINSTEIN CENTRE, NOTTINGHAM
SCIENCE AND TECHNOLOGY PARK
UNIVERSITY BOULEVARD
NOTTINGHAM, ENGLAND NG7 2TN

RECEIVED

MAY 03 2000

PATENT DEPT.

SERIAL NUMBER: 08234723
PATENT NUMBER:

FILING DATE: 04/28/1994
ISSUE DATE:

SERIAL NUMBER: 08765347
PATENT NUMBER:

FILING DATE: 02/10/1997
ISSUE DATE:

SERIAL NUMBER: 08776470
PATENT NUMBER:

FILING DATE: 03/28/1997
ISSUE DATE:

DOCKETED FOR _____
JSH
5-10 CC

010567/0980 PAGE 2

SERIAL NUMBER: 08983156
PATENT NUMBER: 6001395

FILING DATE: 03/30/1998
ISSUE DATE: 12/14/1999

SERIAL NUMBER: 09000039
PATENT NUMBER:

FILING DATE: 03/30/1998
ISSUE DATE:

SERIAL NUMBER: 09011306
PATENT NUMBER:

FILING DATE: 03/30/1998
ISSUE DATE:

SERIAL NUMBER: 09059646
PATENT NUMBER:

FILING DATE: 04/13/1998
ISSUE DATE:

SERIAL NUMBER: 09088185
PATENT NUMBER:

FILING DATE: 06/01/1998
ISSUE DATE:

SERIAL NUMBER: 09094959
PATENT NUMBER: 5928669

FILING DATE: 06/15/1998
ISSUE DATE: 07/27/1999

SERIAL NUMBER: 09101254
PATENT NUMBER:

FILING DATE: 08/03/1998
ISSUE DATE:

SERIAL NUMBER: 09155235
PATENT NUMBER:

FILING DATE: 10/30/1998
ISSUE DATE:

SERIAL NUMBER: 09214527
PATENT NUMBER:

FILING DATE: 04/07/1999
ISSUE DATE:

SERIAL NUMBER: 09214561
PATENT NUMBER:

FILING DATE: 04/07/1999
ISSUE DATE:

SERIAL NUMBER: 09214580
PATENT NUMBER:

FILING DATE: 03/30/1999
ISSUE DATE:

SERIAL NUMBER: 09269903
PATENT NUMBER:

FILING DATE: 05/06/1999
ISSUE DATE:

SERIAL NUMBER: 07004189
PATENT NUMBER: 4904479

FILING DATE: 01/15/1987
ISSUE DATE: 02/27/1990

SERIAL NUMBER: 07469443
PATENT NUMBER: 5204108

FILING DATE: 04/09/1990
ISSUE DATE: 04/20/1993

SERIAL NUMBER: 08167611
PATENT NUMBER: 5554388

FILING DATE: 12/14/1993
ISSUE DATE: 09/10/1996

SERIAL NUMBER: 08256431
PATENT NUMBER: 5629011

FILING DATE: 07/12/1994
ISSUE DATE: 05/13/1997

SERIAL NUMBER: 08190022
PATENT NUMBER: 5648095

FILING DATE: 07/08/1994
ISSUE DATE: 07/15/1997

SERIAL NUMBER: 08412094
PATENT NUMBER: 5690954

FILING DATE: 03/28/1995
ISSUE DATE: 11/25/1997

010567/0980 PAGE 3

SERIAL NUMBER: 08359937
PATENT NUMBER: 5707644

FILING DATE: 12/20/1994
ISSUE DATE: 01/13/1998

SERIAL NUMBER: 08260611
PATENT NUMBER: 5725871

FILING DATE: 06/15/1994
ISSUE DATE: 03/10/1998

SERIAL NUMBER: 08576877
PATENT NUMBER: 5744166

FILING DATE: 12/21/1995
ISSUE DATE: 04/28/1998

SERIAL NUMBER: 08374671
PATENT NUMBER: 5792475

FILING DATE: 04/14/1995
ISSUE DATE: 08/11/1998

SERIAL NUMBER: 08877273
PATENT NUMBER: 5804212

FILING DATE: 06/17/1997
ISSUE DATE: 09/08/1998

SERIAL NUMBER: 08809158
PATENT NUMBER: 5840341

FILING DATE: 04/21/1997
ISSUE DATE: 11/24/1998

SERIAL NUMBER: 08899976
PATENT NUMBER: 5863554

FILING DATE: 07/24/1997
ISSUE DATE: 01/26/1999

SERIAL NUMBER: 08750738
PATENT NUMBER: 5869103

FILING DATE: 04/04/1997
ISSUE DATE: 02/09/1999

SERIAL NUMBER: 09094959
PATENT NUMBER: 5928669

FILING DATE: 06/15/1998
ISSUE DATE: 07/27/1999

SERIAL NUMBER: 08553401
PATENT NUMBER: 5935604

FILING DATE: 07/01/1996
ISSUE DATE: 08/10/1999

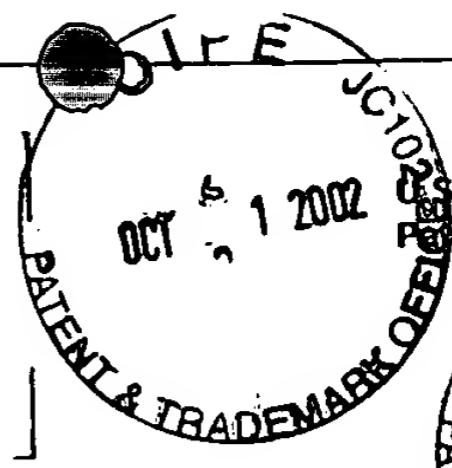
DIANE RUSSELE, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

03-02-2000



RECEIVED
101284135
FEB - 1 AM 10:24

101284135



U.S. Department of Commerce
Patent and Trademark Office

PATENT

OCT 31 2002

PATENT

JC102

OPR/FINANCE RECORDATION FORM COVER SHEET
PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

New
 Resubmission (Non-Recordation)
Document ID#
 Correction of PTO Error
Reel # Frame #
Corrective Document
Reel # Frame #

Conveyance Type

Assignment Security Agreement
 License Change of Name
 Merger Other
U.S. Government
(For Use ONLY by U.S. Government Agencies)
 Departmental File Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Execution Date
Month Day Year

03041999

Name (line 1) Danbiosyst UK Limited

Name (line 2)

Second Party

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) West Pharmaceutical Services Drug Delivery & Clinical Research Centre Limited

If document to be recorded
is an assignment and the
receiving party is not
domiciled in the United
States, an appointment
of a domestic
representative is attached.
(Designation must be a
separate document from
Assignment.)

Name (line 2)

Address (line 1) Albert Einstein Centre, Nottingham Science and Technology Park

Address (line 2) University Boulevard

Address (line 3) Nottingham

England

NG7 2TN

City State/Country Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

FOR OFFICE USE ONLY

03/02/2000 DNGUYEN 00000060 09101254

01 EC:581

1240.00 DP

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to: West/General 20260/2
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Correspondent Name and Address

Area Code and Telephone Number

(404) 873-8794

Name Patrea L. Pabst, Esq.

Address (line 1) Arnall Golden & Gregory, LLP

Address (line 2) 2800 One Atlantic Center

Address (line 3) 1201 West Peachtree Street

Address (line 4) Atlanta, GA 30309-3450

RECEIVED
NOV 04 2002
TECH CENTER 1600/2900

Pages Enter the total number of pages of the attached conveyance document
including any attachments. # 2

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

08234723

08983156

09059646

08765347

09000039

09088185

08776470

09011306

09094959

Patent Number(s)

4904479

5629011

5707644

5204108

5648095

5725871

5554388

5690954

5744166

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

PCT

PCT

PCT

Enter PCT application number

only if a U.S. Application Number
has not been assigned.

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved.

31

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 1,240.00

Method of Payment:

Deposit Account

Enclosed

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # 01-2507

Authorization to charge additional fees: Yes No

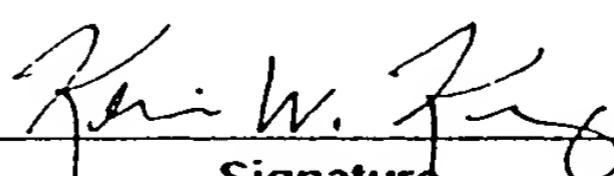
Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Kevin W. King

Name of Person Signing

Reg. No.: 42,737



Signature

18 JAN. 2000

Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

Conveying Party(ies)

Enter additional Conveying Parties

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

RECEIVED
NOV 04 2002
TECH CENTER 1600/2900

Execution Date
Month Day Year

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Receiving Party(ies)

Enter additional Receiving Party(ies)

Name (line 1)

If document to be recorded
is an assignment and the
receiving party is not
domiciled in the United
States, an appointment
of a domestic representative
is attached. (Designation
must be a separate
document from
Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Name (line 1)

If document to be recorded
is an assignment and the
receiving party is not
domiciled in the United
States, an appointment of a
domestic representative is
attached. (Designation must
be a separate document from
Assignment.)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

Application Number(s) or Patent Number(s)

Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

09101254

09269903

09155235

09214527

09214561

09214580

Patent Number(s)

5792475

5928669

5804212

5935604

5840341

5863554

5869103



RECEIVED
NOV 04 2002
TECH CENTER 1600/2900

THE COMPANIES ACT 1985

Company No. 2360391

The Registrar of Companies for England and Wales hereby certifies that

**WEST PHARMACEUTICAL SERVICES DRUG DELIVERY &
CLINICAL RESEARCH CENTRE LIMITED**

formerly called **DANBIOSYST UK LIMITED**

which name was changed by special resolution was incorporated under the
Companies Act 1985

as a limited company on the **13th March 1989** and that the certificate of incorporation altered to meet the circumstances of the case was issued on the **4th March 1999**

Given at Companies House, Cardiff, the **2nd August 1999**

P. Gantayat

for the Registrar of Companies

I, Ian Mark Dee, of 10 Tennis Mews, The Park, Nottingham, England, a Chartered Patent Attorney, European Patent Attorney and Partner in the firm of Eric Potter Clarkson hereby certify that the attached is a true copy of the Certificate of Incorporation on change of Name as issued by the Registrar of Companies for England and Wales.

Signed: Ian Dee

IAN MARK DEE

Date: 22 September 1999

Place: Nottingham, England